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**Subject:** MS Canyon Oil Spill Data received 5-18-2010  
**Date:** 05/19/2010 01:34 PM

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ATSDR has reviewed the attached data packages sent on May 18, 2010 for both Region IV and Region VI.

**Air monitoring results from Region IV show the following:** At Stations R04START-051710-2, R04START-051710-5, R04START-051710-6, R04START-051710-7, R04START-051710-8, R04START-051710-9, R04START-051710-10, R04START-051710-11, R04START-051710-12, and R04START-051710-13 hydrogen sulfide was detected above the odor threshold on 5/17/2010. Stations FLAV001 had a slightly elevated level of benzene on 5/7 and FLAV002 had a slightly elevated benzene level on 5/4. These levels were not sufficient to present a health concern. Other readings were unremarkable.

**Water monitoring results from Region IV show the following:** Reading submitted were unremarkable.

**Sediment monitoring results from Region IV show the following:** No new hits submitted.

**Air monitoring results from Region VI show the following:** At Stations V02, V03, and V05 hydrogen sulfide was detected above odor detection levels on 5/17 and -5/18. These levels were not sufficient to present a health concern. Stations C02, C04, C05, and V03 had slightly elevated VOC reading. Station C02's readings occurred on 5/17 between the hours of 07:00 to 11:00 and one reading on 5/18 at 04:00. Station C04 had a spike hit of 36.5 ppm at 07:00 on 5/17 which dropped to 1.9 ppm by 13:00;(no samples were reported between 0700 and 1300 at this site) the reading all dropped to 0.1 ppm until 19:00 when it again increased to 1.2 ppm. This location is near a petroleum plant, surrounded by two major highways, and nearby river traffic could explain this readings. On 5/18 only one reading at 0300 was slightly elevated. Station C05 had intermittent slightly elevated reading on the 5/17 which followed low reading except for the period of 5/17 at 22:00 to 09:00 on 5/18. Station V03 had slightly elevated VOC readings on 5/18 starting at midnight until 08:00. These levels were not sufficient to present a health concern but local activities should be considered as the source of these hits. Other readings were unremarkable.

**Water monitoring results from Region VI show the following:** Stations T001-0004-100506, T001-0004-100509, T001-0004-1005010, T001-0004-1005011, T001-0004-1005012, and T001-0004-1005013, had elevated potassium readings. Stations T001-1347-100504, T003-0009-100508, T003-0009-100509, T003-0009-100510, T003-0009-100511, and T003-0009-100512 reported slightly elevated levels of thallium. Since these samples were collected from surface water in salt and brackish areas it is not anticipated that anyone will be using them as drinking sources. They are not anticipated to cause health issues.

**Sediment monitoring results from Region VI show the following:** Reading submitted were unremarkable.

ATSDR does not anticipate any increased hazard to human health related to the oil spill based on this data.

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